Maturity Model	Sub Group	sub detail 1	sub detail 2	Legacy
Interface Integration				
	Interfaces			
		Access to data		**x**
		API		
		data movement To other apps		**x**
	Componentized			
		separate interoperable components		
			Partial Full with GRID	
	Standards			
		Interchange formats Messaging		
	Platform independence			
		OS		

Maturity Model	Sub Group	sub detail 1	sub detail 2	Legacy
Vocabularies / Terminologies & Ontologies				
	Vocabulary types			
		Free text Controlled		**x**
			Local Standard	**x?**

Maturity Model	Sub Group	sub detail 1	sub detail 2	Legacy
Data Elements				
	Metadata			
		None Non-standard Standard		**x**

			ISO 11179 caBIG	
		Retrieval from external source with shared apps.		
		Harmonization	Re-use across domain workspace	
		Programmatic Access to		

				Legacy
Maturity Model	**Sub Group**	*sub detail 1*	*sub detail 2*	
Information Models				
	Models			
		None		**x**
		Non-standard		
		Standard		
			UML	
		Harminization		
			Re-use across domain workspace	

CTMS examples	Bronze	CTMS examples	Silver	CTMS examples	Gold
local free text files	x	client/server	x	Web-browser based?	x
	x	java (not open)	x	java (Open & described) ODBC, Web services or	x
FTP	x	ODBC	x	CGI	x
	x	Crystal Reports	x		x
					x
			x	Schedule links to eCRFs	x
					x
					x
			x	XML	x
			x	HL7	x
			x	Works on Mac & Windows	x

CTMS examples	Bronze	CTMS examples	Silver	CTMS examples	Gold
Used throughout	x	Some allowed	x	minimal	x
	x	Controlled by select lists	x	some	x
	x	EVS or SNOMED	x	EVS with CDEs	x

CTMS examples	Bronze	CTMS examples	Silver	CTMS examples	Gold
	x	locally developed			

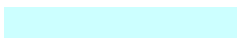| CTMS examples	Bronze	CTMS examples	Silver	CTMS examples	Gold
			x	ISO 11179	
					x
	x	shared with local developed CRF app.	x	shared with caBIG AE app.	x
			x		x
					x
	x				
			x		
					x

CTMS examples

CTMS examples

CTMS examples

caBIG

Shared with all
caBIG domain
apps.

CTMS examples